ELSEVIER

Nuclear Instruments and Methods in Physics Research A 466 (2001) 576–590

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

www.elsevier.com/locate/nima

Author index

Abdalla, M.A., C. Fröjdh and C.S. Petersson, An integrating CMOS APS for X-ray imaging with an in-pixel preamplifier . . . 466 (2001) 232
Adam, H.-H., see Moskal, P. . . . 466 (2001) 448
Ahmed, M., see Lindström, G. . . . 466 (2001) 308
Aihara, H., The BELLE silicon vertex detector . . . 466 (2001) 268
Akimoto, T., S. Arai, K. Hara, T. Nakayama, Y. Ikegami, Y. Iwata, H. Kobayasi, T. Kohriki, T. Kondo, I. Nakano, T. Ohsugi, M. Shimojima, S. Shinma, R. Takashima, S. Terada, N. Ujiie, Y. Unno, K. Yamamoto and K. Yamamura, Characteristics of irradiated silicon microstrip detectors with ⟨100⟩ and ⟨111⟩ substrates . . . 466 (2001) 354
Albergo, S., see Lindström, G. . . . 466 (2001) 308
Allport, P., see Lindström, G. . . . 466 (2001) 308
Allport, P.P., see Casse, G. . . . 466 (2001) 335
Amendolia, S.R., M.G. Bisogni, U. Bottigli, P. Delogu, G. Dipasquale, M.E. Fantacci, A. Marchi, V.M. Marzulli, P. Oliva, R. Palmiero, V. Rosso, A. Stefanini, S. Stumbo and S. Zucca, Spectroscopic and imaging capabilities of a pixellated photon counting system . . . 466 (2001) 74
Amendolia, S.R., U. Bottigli, A. Ceccopieri, P. Delogu, G. Dipasquale, M.E. Fantacci, A. Marchi, V.M. Marzulli, P. Oliva, V. Rosso, A. Stefanini and S. Stumbo, Comparison of imaging properties of several digital radiographic systems . . . 466 (2001) 95
Anand, D.K., see Smee, S.A. . . . 466 (2001) 513
Anderson, D., see Lindström, G. . . . 466 (2001) 308
Andersson, H., see Owens, A. . . . 466 (2001) 168
Andricek, L., see Lindström, G. . . . 466 (2001) 308
Angarano, M., see Albergo, S. . . . 466 (2001) 300
Angarano, M.M., see Lindström, G. . . . 466 (2001) 308
Arai, S., see Akimoto, T. . . . 466 (2001) 354
Atwood, E., see Allport, P. . . . 466 (2001) 376
Atwood, W., see Allport, P. . . . 466 (2001) 376
Augelli, V., see Lindström, G. . . . 466 (2001) 308
Avdeichikov, V., B. Jakobsson, V.A. Nikitin, P.V. Nomokonov and E.J. van Veldhuizen, On-beam calibration of the ΔE(Si)–Sci/PD charged particle telescope . . . 466 (2001) 427
Avset, B.S., see Lindström, G. . . . 466 (2001) 308
Ayzenshtat, G.I., O.P. Tolbanov and A.P. Vorobiev, Modeling of processes of charge division and collection in GaAs detectors taking into account trapping effects . . . 466 (2001) 1
Ayzenshtat, G.I., N.N. Bakin, D.L. Budnitsky, E.P. Drugova, V.P. Germogenov, S.S. Khludkov, O.B. Koretskaya, L.S. Okaevich, L.P. Porokhovnichenko, A.I. Potapov, K.M. Smith, O.P. Tolbanov, A.V. Tyazhev, M.D. Vilisova and A.P. Vorobiev, GaAs structures for X-ray imaging detectors . . . 466 (2001) 25
Ayzenshtat, G.I., V.G. Kanaev, A.V. Khan, A.I. Potapov, L.P. Porokhovnichenko, O.P. Tolbanov and A.P. Vorobiev, GaAs X-ray coordinate detectors . . . 466 (2001) 162
Azzi, P., see Albergo, S. . . . 466 (2001) 300
Azzi, P., see Sidoti, A. . . . 466 (2001) 538

Babucci, E., see Albergo, S. . . . 466 (2001) 300
Bacchetta, N., see Albergo, S. . . . 466 (2001) 300
Bacchetta, N., see Lindström, G. . . . 466 (2001) 308
Bader, A., see Albergo, S. . . . 466 (2001) 300

PII: S0168-9002(01)01327-4

Badhwar, G.D. and P.M. O'Neill, Response of silicon-based linear energy transfer spectrometers: implication for radiation risk assessment in space flights . . . 466 (2001) 464
Bagliesi, G., The CMS tracker and expected performances . . . 466 (2001) 255
Bagliesi, G., see Albergo, S. . . . 466 (2001) 300
Bakin, N.N., see Ayzenshtat, G.I. . . . 466 (2001) 25
Barberini, L., see Caria, M. . . . 466 (2001) 115
Barry, D.D., see Smee, S.A. . . . 466 (2001) 513
Bartalini, P., see Lindström, G. . . . 466 (2001) 308
Basti, A., see Albergo, S. . . . 466 (2001) 300
Bates, R., see Mathieson, K. . . . 466 (2001) 194
Bates, R., see Passmore, M.S. . . . 466 (2001) 202
Bates, R., see Lindström, G. . . . 466 (2001) 308
Baubinas, R., see Vaitkus, J. . . . 466 (2001) 39
Bavdaz, M., see Owens, A. . . . 466 (2001) 168
Bean, A., Status of the DØ Silicon Microstrip Tracker . . . 466 (2001) 262
Beck, G., see Allport, P. . . . 466 (2001) 376
Beck, G.A., see Casse, G. . . . 466 (2001) 335
Bém, P., V. Burjan, F. Cvachovec, M. Götz, M. Králík, V. Kroha, E. Lukášová, E. Šimečková and V. Vincour, Fast neutrons from thick helium target irradiated by 17 MeV deuterons . . . 466 (2001) 509
Bendorius, R.A., see Pozela, K. . . . 466 (2001) 58
Bergman, A., see Lowe, D. . . . 466 (2001) 551
Bernabeu, J., R. Challis, M.J. Costa, D. Ferrere, S. Gadomski, C. Haber, J. Hill, J. Kaplon, C. Lacasta, M. Lozano, D. Macina, C. Martinez, G. Moorhead, H. Niggli, P. Phillips, J. Sánchez, M. Vos and A. Zsenei, Results of the 1999 H8 beam tests of ATLAS-SCT prototypes . . . 466 (2001) 397
Bertilsson, K., E. Dubaric, G. Thungström, H.-E. Nilsson and C.S. Petersson, Simulation of a low atmospheric-noise modified four-quadrant position sensitive detector . . . 466 (2001) 183
Bertolucci, E., see Russo, P. . . . 466 (2001) 105
Bertolucci, E., see Russo, P. . . . 466 (2001) 155
Bertuccio, G., see Owens, A. . . . 466 (2001) 168
Bhatnager, B., see Allport, P. . . . 466 (2001) 376
Biggeri, U., see Albergo, S. . . . 466 (2001) 300
Biggeri, U., see Lindström, G. . . . 466 (2001) 308
Biino, C., see Albergo, S. . . . 466 (2001) 300
Bilei, G.M., see Albergo, S. . . . 466 (2001) 300
Bilei, G.M., see Lindström, G. . . . 466 (2001) 308
Bisello, D., see Albergo, S. . . . 466 (2001) 300
Bisello, D., see Lindström, G. . . . 466 (2001) 308
Bisogni, M.G., see Amendolia, S.R. . . . 466 (2001) 74
Bisogni, M.G., A. Cola and M.E. Fantacci, Simulated and experimental spectroscopic performance of GaAs X-ray pixel detectors . . . 466 (2001) 188
Bloom, E., see Allport, P. . . . 466 (2001) 376
Boardman, D.A. and P.J. Sellin, Design and characterisation of high electron mobility transistors for use in a monolithic GaAs X-ray imaging sensor . . . 466 (2001) 226
Boemi, D., see Albergo, S. . . . 466 (2001) 300
Boemi, D., see Lindström, G. . . . 466 (2001) 308
Bolla, G., see Iwata, Y. . . . 466 (2001) 390
Boogert, S., see Matsushita, T. . . . 466 (2001) 383
Booth, P.S.L., see Casse, G. . . . 466 (2001) 335
Borchi, E., see Lindström, G. . . . 466 (2001) 308
Borello, L., see Albergo, S. . . . 466 (2001) 300
Bosi, F., see Albergo, S. . . . 466 (2001) 300
Botila, T., see Lindström, G. . . . 466 (2001) 308
Bottigli, U., see Amendolia, S.R. . . . 466 (2001) 74
Bottigli, U., see Amendolia, S.R. . . . 466 (2001) 95
Bourgoin, J.C., Polycrystalline GaAs for large area imaging detectors . . . 466 (2001) 9
Bowles, T.J., see Markov, A.V. . . . 466 (2001) 14
Bowles, T.J., see Gavrin, V.N. . . . 466 (2001) 119

Braibant, S., see Albergo, S. 466 (2001) 300
Brand, P.C., see Smee, S.A. 466 (2001) 513
Breese, M.B.H., see Galbiati, A. 466 (2001) 52
Brenner, R., see del Risco Norrlid, L. 466 (2001) 209
Breuker, H., see Albergo, S. 466 (2001) 300
Brodbeck, T.J., see Lindström, G. 466 (2001) 308
Broeder, J., see Allport, P. 466 (2001) 376
Broholm, C.L., see Smee, S.A. 466 (2001) 513
Bross, A.D., see Pla-Dalmau, A. 466 (2001) 482
Brunetti, M.T., see Albergo, S. 466 (2001) 300
Bruzzi, M., see Albergo, S. 466 (2001) 300
Bruzzi, M., see Lindström, G. 466 (2001) 308
Budnitsky, D.L., see Ayzenshtat, G.I. 466 (2001) 25
Budnitsky, D.L., V.P. Germogenov, S.M. Guschin, A.A. Larionov, L.P. Porokhovnichenko, A.I. Potapov, O.P. Tolbanov and A.P. Vorobiev, Epitaxial structures based on compensated GaAs for γ- and X-ray detectors 466 (2001) 33
Budzanowski, A., see Moskal, P. 466 (2001) 448
Budzynski, T., see Lindström, G. 466 (2001) 308
Buffini, A., see Albergo, S. 466 (2001) 300
Bühler, M., see Sisti, M. 466 (2001) 499
Burger, P., see Lindström, G. 466 (2001) 308
Burjan, V., see Bém, P. 466 (2001) 509
Burns, M., see Snoeys, W. 466 (2001) 366
Busetto, G., see Sidoti, A. 466 (2001) 538
Busoni, S., see Albergo, S. 466 (2001) 300

Cadeddu, S., see Caria, M. 466 (2001) 115
Calvet, D., see Fornaini, A. 466 (2001) 142
Campabadal, F., see Lindström, G. 466 (2001) 308
Campajola, L., see Russo, P. 466 (2001) 155
Campbell, D., A. Chilingarov and T. Sloan, Frequency-temperature scaling of the CV characteristics for irradiated Si detectors 466 (2001) 456
Campbell, M., see Schwarz, C. 466 (2001) 87
Campbell, M., see Snoeys, W. 466 (2001) 366
Candelori, A., see Albergo, S. 466 (2001) 300
Caner, A., see Albergo, S. 466 (2001) 300
Cantatore, E., see Snoeys, W. 466 (2001) 366
Caria, M., L. Barberini, S. Cadeddu, A. Giannattasio, A. Lai, A. Rusani and A. Sesselego, Far UV responsivity of commercial silicon photodetectors 466 (2001) 115
Carpentieri, C., see Russo, P. 466 (2001) 155
Carter, A.A., see Casse, G. 466 (2001) 335
Carter, J.R., see Casse, G. 466 (2001) 335
Casse, G., see Lindström, G. 466 (2001) 308
Casse, G., P.P. Allport, P.S.L. Booth, A. Greenall, J.N. Jackson, T.J. Jones, N.A. Smith, P.R. Turner, J.R. Carter, D. Morgan, D. Robinson, G.A. Beck and A.A. Carter, A comparative study of oxygenated and non-oxygenated Si pad diodes, miniature and large area microstrip detectors 466 (2001) 335
Castaldi, R., see Albergo, S. 466 (2001) 300
Castro, A., see Albergo, S. 466 (2001) 300
Castro, A., see Sidoti, A. 466 (2001) 538
Catacchini, E., see Albergo, S. 466 (2001) 300
Catacchini, E., see Lindström, G. 466 (2001) 308
Ceccopieri, A., see Amendolia, S.R. 466 (2001) 95
Cencelli, V., see Snoeys, W. 466 (2001) 366
Cervelli, G., see French, M.J. 466 (2001) 359
Challis, R., see Bernabeu, J. 466 (2001) 397
Chang, S.-L., see Gau, T.-S. 466 (2001) 569

Chang, Y.-H., The AMS silicon tracker 466 (2001) 282
Chao, C.-H., see Gau, T.-S. 466 (2001) 569
Checcucci, B., see Albergo, S. 466 (2001) 300
Chen, C.-K., see Gau, T.-S. 466 (2001) 569
Chen, C.T., see Gau, T.-S. 466 (2001) 569
Chen, V., see Allport, P. 466 (2001) 376
Chilingarov, A., see Lindström, G. 466 (2001) 308
Chilingarov, A., see Campbell, D. 466 (2001) 456
Chung, C.-H., see Gau, T.-S. 466 (2001) 569
Church, J.A., see Mueller, W.F. 466 (2001) 492
Ciampolini, P., see Albergo, S. 466 (2001) 300
Ciampolini, P., see Lindström, G. 466 (2001) 308
Cindro, V., see Lindström, G. 466 (2001) 308
Cindro, V., see Mikuž, M. 466 (2001) 345
Civinini, C., see Albergo, S. 466 (2001) 300
Clark, J., see Allport, P. 466 (2001) 376
Clauws, P., see Lindström, G. 466 (2001) 308
Cola, A., see Bisogni, M.G. 466 (2001) 188
Cooper, S., see Sisti, M. 466 (2001) 499
Costa, M., see Albergo, S. 466 (2001) 300
Costa, M.J., see Lindström, G. 466 (2001) 308
Costa, M.J., see Bernabeu, J. 466 (2001) 397
Cotton, N., see Allport, P. 466 (2001) 376
Creanza, D., see Albergo, S. 466 (2001) 300
Creanza, D., see Lindström, G. 466 (2001) 308
Cvachovec, F., see Bém, P. 466 (2001) 509

D'Alessandro, R., see Albergo, S. 466 (2001) 300
Dapkus, L., see Pozela, K. 466 (2001) 58
Da Via, C., see Lindström, G. 466 (2001) 308
Davies, G., see Lindström, G. 466 (2001) 308
De Boer, W., see Lindström, G. 466 (2001) 308
Dell'Orso, R., see Albergo, S. 466 (2001) 300
Dell'Orso, R., see Lindström, G. 466 (2001) 308
Delogu, P., see Amendolia, S.R. 466 (2001) 74
Delogu, P., see Amendolia, S.R. 466 (2001) 95
del Risco Norrlid, L., C. Rönnqvist, K. Fransson, R. Brenner, L. Gustafsson, F. Edling and S. Kullander, Calculation of the modulation transfer function for the X-ray imaging detector DIXI using Monte Carlo simulation data 466 (2001) 209
DeMaria, N., see Albergo, S. 466 (2001) 300
De Palma, M., see Albergo, S. 466 (2001) 300
De Palma, M., see Lindström, G. 466 (2001) 308
Derbyshire, G., see Seller, P. 466 (2001) 174
Devenish, R., see Matsushita, T. 466 (2001) 383
Dezillie, B., see Lindström, G. 466 (2001) 308
Dinapoli, R., see Snoeys, W. 466 (2001) 366
Dipasquale, G., see Amendolia, S.R. 466 (2001) 74
Dipasquale, G., see Amendolia, S.R. 466 (2001) 95
do Couto e Silva, E., see Allport, P. 466 (2001) 376
Drugova, E.P., see Ayzenshtat, G.I. 466 (2001) 25
Dubaric, E., C. Fröjdh, H.-E. Nilsson and C.S. Petersson, Resolution and noise properties of scintillator coated X-ray detectors 466 (2001) 178
Dubaric, E., see Bertilsson, K. 466 (2001) 183
Dusini, S., see Sidoti, A. 466 (2001) 538
Dutta, S., see Albergo, S. 466 (2001) 300
Dychakowski, G., see Iwata, Y. 466 (2001) 390

Edling, F., see del Risco Norrlid, L. 466 (2001) 209
El-Abbassi, H., S. Rath and P.J. Sellin, Characterisation of vertical gradient freeze semi-insulating InP for use as a nuclear radiation detector 466 (2001) 47
Erdmann, W., see Iwata, Y. 466 (2001) 390
Eremin, V., see Lindström, G. 466 (2001) 308
Eremin, V.K., see Markov, A.V. 466 (2001) 14
Eremin, V.K., see Gavrin, V.N. 466 (2001) 119
Evrard, O., see Lindström, G. 466 (2001) 308

Fallica, G., see Lindström, G. 466 (2001) 308
Fanourakis, G., see Lindström, G. 466 (2001) 308
Fantacci, M.E., see Amendolia, S.R. 466 (2001) 74
Fantacci, M.E., see Amendolia, S.R. 466 (2001) 95
Fantacci, M.E., see Bisogni, M.G. 466 (2001) 188
Faruqi, A.R., Prospects for hybrid pixel detectors in electron microscopy 466 (2001) 146
Favro, G., see Albergo, S. 466 (2001) 300
Feerick, B., see Allport, P. 466 (2001) 376
Feick, H., see Lindström, G. 466 (2001) 308
Ferrere, D., see Bernabeu, J. 466 (2001) 397
Fiore, L., see Albergo, S. 466 (2001) 300
Fischer, P., see Lindner, M. 466 (2001) 63
Florin, S., see Lindner, M. 466 (2001) 63
Focardi, E., see Albergo, S. 466 (2001) 300
Focardi, E., see Lindström, G. 466 (2001) 308
Fonseca, L., see Lindström, G. 466 (2001) 308
Fornaini, A., D. Calvet and J.L. Visschers, Soft X-ray sensitivity of a photon-counting hybrid pixel detector with a silicon sensor matrix 466 (2001) 142
Fransson, K., see del Risco Norrlid, L. 466 (2001) 209
French, M., see Albergo, S. 466 (2001) 300
French, M.J., L.L. Jones, Q. Morrissey, A. Neviani, R. Turchetta, J. Fulcher, G. Hall, E. Noah, M. Raymond, G. Cervelli, P. Moreira and G. Marseguerra, Design and results from the APV25, a deep sub-micron CMOS front-end chip for the CMS tracker 466 (2001) 359
Fretwurst, E., see Lindström, G. 466 (2001) 308
Freudenberger, J., E. Hell and W. Knüpfer, Perspectives of medical X-ray imaging 466 (2001) 99
Freudenreich, K., see Albergo, S. 466 (2001) 300
Frey, A., see Albergo, S. 466 (2001) 300
Friedl, M., see Albergo, S. 466 (2001) 300
Fröjdh, C., see Dubaric, E. 466 (2001) 178
Fröjdh, C., see Abdalla, M.A. 466 (2001) 232
Fulcher, J., see French, M.J. 466 (2001) 359
Fürtjes, A., see Albergo, S. 466 (2001) 300
Fuster, J., see Lindström, G. 466 (2001) 308

Gabathuler, K., see Lindström, G. 466 (2001) 308
Gadomski, S., see Bernabeu, J. 466 (2001) 397
Gagliardi, G., The ATLAS Pixel Detector electronics 466 (2001) 275
Galbiati, A., M.B.H. Breese, A.P. Knights, B. Sealy and P.J. Sellin, Characterisation of a coplanar CVD diamond radiation detector 466 (2001) 52
Gau, T.-S., Y.-C. Jean, K.-Y. Liu, C.-H. Chung, C.-K. Chen, S.-C. Lai, C.-H. Shu, Y.-S. Huang, C.-H. Chao, Y.-R. Lee, C.T. Chen and S.-L. Chang, Soft X-ray diffractometer for synchrotron radiation 466 (2001) 569
Gaubas, E., see Vaitkus, J. 466 (2001) 39
Gavrin, V.N., see Markov, A.V. 466 (2001) 14
Gavrin, V.N., Y.P. Kozlova, E.P. Veretenkin, T.J. Bowles, V.K. Eremin, E.M. Verbitskaya, A.V. Markov, A.Y. Polyakov, O.G. Koshelev and V.F. Morozova, Bulk GaAs as a solar neutrino detector 466 (2001) 119
Germogenov, V.P., see Ayzenshtat, G.I. 466 (2001) 25

Germogenov, V.P., see Budnitsky, D.L. 466 (2001) 33
Gersch, H.K., see McGregor, D.S. 466 (2001) 126
Giannattasio, A., see Caria, M. 466 (2001) 115
Giassi, A., see Albergo, S. 466 (2001) 300
Giebels, G., see Allport, P. 466 (2001) 376
Giorgi, M., see Albergo, S. 466 (2001) 300
Giraldo, A., see Albergo, S. 466 (2001) 300
Glaser, M., see Lindström, G. 466 (2001) 308
Glasmacher, T., see Mueller, W.F. 466 (2001) 492
Glessing, W., see Albergo, S. 466 (2001) 300
Godfrey, G., see Allport, P. 466 (2001) 376
Goeppert, R., see Schwarz, C. 466 (2001) 87
Göppert, R., see Lindner, M. 466 (2001) 63
Götz, M., see Bém, P. 466 (2001) 509
Govorkov, A.V., see Markov, A.V. 466 (2001) 14
Grabiec, P., see Lindström, G. 466 (2001) 308
Greenall, A., see Casse, G. 466 (2001) 335
Grigoriev, E., see Lindström, G. 466 (2001) 308
Grzonka, D., see Moskal, P. 466 (2001) 448
Gu, W.H., see Albergo, S. 466 (2001) 300
Guschin, S.M., see Budnitsky, D.L. 466 (2001) 33
Gustafsson, L., see del Risco Norrlid, L. 466 (2001) 209
Gutknecht, D., see Mueller, W.F. 466 (2001) 492

Haber, C., see Bernabeu, J. 466 (2001) 397
Hackman, G., see Mueller, W.F. 466 (2001) 492
Hall, G., see Seller, P. 466 (2001) 174
Hall, G., see Albergo, S. 466 (2001) 300
Hall, G., see Lindström, G. 466 (2001) 308
Hall, G., see French, M.J. 466 (2001) 359
Hammarstrom, R., see Albergo, S. 466 (2001) 300
Handa, T., see Allport, P. 466 (2001) 376
Handa, T., see Iwata, Y. 466 (2001) 390
Hanlon, M., see Lindström, G. 466 (2001) 308
Hansen, P.G., see Mueller, W.F. 466 (2001) 492
Hara, K., see Akimoto, T. 466 (2001) 354
Hauler, F., see Lindström, G. 466 (2001) 308
Hausmann, J., see Lindner, M. 466 (2001) 63
Hautojärvi, P., see Nissilä, J. 466 (2001) 527
Hebbeker, T., see Albergo, S. 466 (2001) 300
Heijne, E., see Snoeys, W. 466 (2001) 366
Heising, S., see Lindström, G. 466 (2001) 308
Hell, E., see Freudenberger, J. 466 (2001) 99
Hernando, J.A., see Allport, P. 466 (2001) 376
Hill, J., see Bernabeu, J. 466 (2001) 397
Hirayama, M., see Allport, P. 466 (2001) 376
Holmes-Siedle, A., see Lindström, G. 466 (2001) 308
Honig, A., see Röttger, S. 466 (2001) 475
Honkanen, A., see Albergo, S. 466 (2001) 300
Honma, A., see Albergo, S. 466 (2001) 300
Horisberger, R., see Lindström, G. 466 (2001) 308
Hrubec, J., see Albergo, S. 466 (2001) 300
Hu, Z., see Mueller, W.F. 466 (2001) 492
Huang, Y.-S., see Gau, T.-S. 466 (2001) 569
Hughes, G., see Lindström, G. 466 (2001) 308
Huhtinen, M., see Albergo, S. 466 (2001) 300
Huhtinen, M., see Lindström, G. 466 (2001) 308

Ikegami, Y., see Akimoto, T. 466 (2001) 354
Iles, G.M., see Seller, P. 466 (2001) 174
Ilyashenko, I., see Lindström, G. 466 (2001) 308
Ivanov, A., see Lindström, G. 466 (2001) 308
Iwami, M., Silicon carbide: fundamentals 466 (2001) 406
Iwata, Y., see Akimoto, T. 466 (2001) 354
Iwata, Y., T. Ohsugi, T. Ohmoto, T. Handa, K. Sato, H. Yamamoto, R. Takashima, T. Kondo, Y. Unno, S. Terada, T. Kohriki, I. Nakano, M. Lindenmeyer, S. Tkaczyk, W. Erdmann, J. Spalding, G. Dychakowski, G. Bolla, G. Pope and P. Shepard, A flexible front-end electronics hybrid for silicon microstrip detectors 466 (2001) 390

Jackson, J.N., see Casse, G. 466 (2001) 335
Jakobsson, B., see Avdeichikov, V. 466 (2001) 427
Jarašiūnas, K., see Vaitkus, J. 466 (2001) 39
Jarczyk, L., see Moskal, P. 466 (2001) 448
Jarron, P., see Snoeys, W. 466 (2001) 366
Jašinskaite, R., see Vaitkus, J. 466 (2001) 39
Jasutis, V., see Pozela, K. 466 (2001) 58
Jean, Y.-C., see Gau, T.-S. 466 (2001) 569
Johnson, R.P., see Allport, P. 466 (2001) 376
Jones, B.K., see Lindström, G. 466 (2001) 308
Jones, L.L., see French, M.J. 466 (2001) 359
Jones, T.J., see Casse, G. 466 (2001) 335
Jorden, A., see Seller, P. 466 (2001) 174
Jörgens, V., see Sisti, M. 466 (2001) 499
Jungermann, L., see Lindström, G. 466 (2001) 308

Kamae, T., see Allport, P. 466 (2001) 376
Kaminsky, A., see Albergo, S. 466 (2001) 300
Kaminsky, A., see Lindström, G. 466 (2001) 308
Kanaev, V.G., see Ayzenshtat, G.I. 466 (2001) 162
Kaplon, J., see Bernabeu, J. 466 (2001) 397
Karimaki, V., see Albergo, S. 466 (2001) 300
Karppinen, M., see Nissilä, J. 466 (2001) 527
Kashiguine, S., see Allport, P. 466 (2001) 376
Kažukauskas, V., see Vaitkus, J. 466 (2001) 39
Keyser, U., see Röttger, S. 466 (2001) 475
Khan, A.V., see Ayzenshtat, G.I. 466 (2001) 162
Khludkov, S.S., see Ayzenshtat, G.I. 466 (2001) 25
Khoukaz, A., see Moskal, P. 466 (2001) 448
Kilian, K., see Moskal, P. 466 (2001) 448
Klann, R.T., see McGregor, D.S. 466 (2001) 126
Knights, A.P., see Galbiati, A. 466 (2001) 52
Knüpfer, W., see Freudenberger, J. 466 (2001) 99
Kobayasi, H., see Akimoto, T. 466 (2001) 354
Koenig, St., see Albergo, S. 466 (2001) 300
Kohout, Z., see Lindström, G. 466 (2001) 308
Kohriki, T., see Akimoto, T. 466 (2001) 354
Kohriki, T., see Iwata, Y. 466 (2001) 390
Kondo, T., see Akimoto, T. 466 (2001) 354
Kondo, T., see Iwata, Y. 466 (2001) 390
Kondo, T., Concluding remarks 466 (2001) 412
Koretskaya, O.B., see Ayzenshtat, G.I. 466 (2001) 25
Koshelev, O.G., see Gavrin, V.N. 466 (2001) 119
Kowina, P., see Moskal, P. 466 (2001) 448
Kozlova, Y.P., see Markov, A.V. 466 (2001) 14

Kozlova, Y.P., see Gavrin, V.N. 466 (2001) 119
Králík, M., see Bém, P. 466 (2001) 509
Kramberger, G., see Lindström, G. 466 (2001) 308
Kramberger, G., see Mikuž, M. 466 (2001) 345
Krammer, M., see Albergo, S. 466 (2001) 300
Kroeger, W., see Allport, P. 466 (2001) 376
Kroha, V., see Bém, P. 466 (2001) 509
Kuhnke, M., see Lindström, G. 466 (2001) 308
Kullander, S., see del Risco Norrlid, L. 466 (2001) 209
Kuprusevičius, E., see Vaitkus, J. 466 (2001) 39
Kwan, S., see Lindström, G. 466 (2001) 308
Kwok, H., see Lowe, D. 466 (2001) 551

Lacasta, C., see Bernabeu, J. 466 (2001) 397
Lai, A., see Caria, M. 466 (2001) 115
Lai, S.-C., see Gau, T.-S. 466 (2001) 569
Lamanna, P., see Snoeys, W. 466 (2001) 366
Lang, N., see Moskal, P. 466 (2001) 448
Lariccia, P., see Albergo, S. 466 (2001) 300
Larionov, A.A., see Budnitsky, D.L. 466 (2001) 33
Lazzizzera, I., see Sidoti, A. 466 (2001) 538
Lee, Y.-R., see Gau, T.-S. 466 (2001) 569
Lemeilleur, F., see Lindström, G. 466 (2001) 308
Lenzi, M., see Albergo, S. 466 (2001) 300
Leroy, C., see Lindström, G. 466 (2001) 308
Letheren, M., see Lindström, G. 466 (2001) 308
Li, Z., see Lindström, G. 466 (2001) 308
Ligonzo, T., see Lindström, G. 466 (2001) 308
Lindenmeyer, M., see Iwata, Y. 466 (2001) 390
Lindner, M., P. Fischer, S. Florin, R. Göppert, J. Hausmann, J. Ludwig, K. Runge, C. Schwarz, A. Söldner-Rembold and N. Wermes, Comparison of hybrid pixel detectors with Si and GaAs sensors 466 (2001) 63
Linhart, V., see Lindström, G. 466 (2001) 308
Lister, T., see Moskal, P. 466 (2001) 448
Litovchenko, P., see Lindström, G. 466 (2001) 308
Liu, K.-Y., see Gau, T.-S. 466 (2001) 569
Loidl, M., see Sisti, M. 466 (2001) 499
Loreti, M., see Albergo, S. 466 (2001) 300
Loukas, D., see Lindström, G. 466 (2001) 308
Lowe, D., A. Truman, H. Kwok and A. Bergman, Results of optical Monte Carlo simulations of a compact γ camera for the detection of sentinel lymph nodes 466 (2001) 551
Lozano, M., see Lindström, G. 466 (2001) 308
Lozano, M., see Bernabeu, J. 466 (2001) 397
Luczynski, Z., see Lindström, G. 466 (2001) 308
Ludwig, J., see Lindner, M. 466 (2001) 63
Ludwig, J., see Schwarz, C. 466 (2001) 87
Luebelsmeyer, K., see Albergo, S. 466 (2001) 300
Lukášová, E., see Bém, P. 466 (2001) 509
Lustermann, W., see Albergo, S. 466 (2001) 300
Lutz, G., see Lindström, G. 466 (2001) 308

MacEvoy, B., see Lindström, G. 466 (2001) 308
Macina, D., see Bernabeu, J. 466 (2001) 397
Maggi, G., see Albergo, S. 466 (2001) 300
Mannelli, M., see Albergo, S. 466 (2001) 300
Manolopoulos, S., see Lindström, G. 466 (2001) 308
Mantovani, G., see Albergo, S. 466 (2001) 300

Marchi, A., see Amendolia, S.R. 466 (2001) 74
Marchi, A., see Amendolia, S.R. 466 (2001) 95
Marchioro, A., see Albergo, S. 466 (2001) 300
Mariotti, C., see Albergo, S. 466 (2001) 300
Markou, A., see Lindström, G. 466 (2001) 308
Markov, A.V., M.V. Mezhennyi, A.Y. Polyakov, N.B. Smirnov, A.V. Govorkov, V.K. Eremin, E.M. Verbitskaya, V.N. Gavrin, Y.P. Kozlova, Y.P. Veretenkin and T.J. Bowles, Semi-insulating LEC GaAs as a material for radiation detectors: materials science issues 466 (2001) 14
Markov, A.V., see Gavrin, V.N. 466 (2001) 119
Marseguerra, G., see French, M.J. 466 (2001) 359
Martignon, G., see Albergo, S. 466 (2001) 300
Martinez, C., see Lindström, G. 466 (2001) 308
Martinez, C., see Bernabeu, J. 466 (2001) 397
Marzulli, V.M., see Amendolia, S.R. 466 (2001) 74
Marzulli, V.M., see Amendolia, S.R. 466 (2001) 95
Matheson, J., Nonlinearities in the response of beam position monitors for the LEP spectrometer 466 (2001) 436
Mathieson, K., R. Bates, A. Meikle, V. O'Shea, M.S. Passmore, M. Rahman and K.M. Smith, Simulation of GaAs 3-D pixel detectors 466 (2001) 194
Mathieson, K., see Passmore, M.S. 466 (2001) 202
Matsushita, T., S. Boogert, R. Devenish and R. Walczak, Optical alignment system for the ZEUS micro vertex detector 466 (2001) 383
Mättig, P., see Albergo, S. 466 (2001) 300
Matukas, J., see Vaitkus, J. 466 (2001) 39
Mc Evoy, B., see Albergo, S. 466 (2001) 300
McGregor, D.S., R.T. Klann, H.K. Gersch and Y.H. Yang, Thin-film-coated bulk GaAs detectors for thermal and fast neutron measurements 466 (2001) 126
Meier, O., see Sisti, M. 466 (2001) 499
Meikle, A., see Mathieson, K. 466 (2001) 194
Mellott, K.L., see Pla-Dalmau, A. 466 (2001) 482
Meschini, M., see Albergo, S. 466 (2001) 300
Messineo, A., see Albergo, S. 466 (2001) 300
Messineo, A., see Lindström, G. 466 (2001) 308
Mettivier, G., see Russo, P. 466 (2001) 79
Mezhennyi, M.V., see Markov, A.V. 466 (2001) 14
Migliore, E., see Albergo, S. 466 (2001) 300
Mikulec, B., see Schwarz, C. 466 (2001) 87
Mikuž, M., see Lindström, G. 466 (2001) 308
Mikuž, M., V. Cindro, G. Kramberger and D. Žontar, Bias dependence and bistability of radiation defects in silicon 466 (2001) 345
Milbury, C., see Allport, P. 466 (2001) 376
Miller, K.L., see Mueller, W.F. 466 (2001) 492
Miller, W., see Allport, P. 466 (2001) 376
Millican, O., see Allport, P. 466 (2001) 376
Minervini, D., see Snoeys, W. 466 (2001) 366
Moll, M., see Lindström, G. 466 (2001) 308
Moorhead, G., see Bernabeu, J. 466 (2001) 397
Moreira, P., see French, M.J. 466 (2001) 359
Morel, M., see Snoeys, W. 466 (2001) 366
Morgan, D., see Casse, G. 466 (2001) 335
Morozova, V.F., see Gavrin, V.N. 466 (2001) 119
Morrissey, Q., see French, M.J. 466 (2001) 359
Moskal, P., H.-H. Adam, A. Budzanowski, D. Grzonka, L. Jarczyk, A. Khoukaz, K. Kilian, P. Kowina, N. Lang, T. Lister, W. Oelert, C. Quentmeier, R. Santo, G. Schepers, T. Sefzick, S. Sewerin, M. Siemaszko, J. Smyrski, A. Strzałkowski, M. Wolke, P. Wüstner and W. Zipper, Monitoring of the accelerator beam distributions for internal target facilities 466 (2001) 448

Mueller, W.F., J.A. Church, T. Glasmacher, D. Gutknecht, G. Hackman, P.G. Hansen, Z. Hu, K.L. Miller and P. Quirin, Thirty-two-fold segmented germanium detectors to identify γ-rays from intermediate-energy exotic beams 466 (2001) 492
Murray, P., see Seller, P. 466 (2001) 174
My, S., see Albergo, S. 466 (2001) 300

Nagel, U., see Sisti, M. 466 (2001) 499
Nakano, I., see Akimoto, T. 466 (2001) 354
Nakano, I., see Iwata, Y. 466 (2001) 390
Nakayama, T., see Akimoto, T. 466 (2001) 354
Nauta, B., see San Segundo Bello, D. 466 (2001) 218
Nenonen, S., see Owens, A. 466 (2001) 168
Neviani, A., see Albergo, S. 466 (2001) 300
Neviani, A., see French, M.J. 466 (2001) 359
Niggli, H., see Bernabeu, J. 466 (2001) 397
Nikitin, V.A., see Avdeichikov, V. 466 (2001) 427
Nikolaou, M., see Allport, P. 466 (2001) 376
Nilsson, H.-E., see Dubaric, E. 466 (2001) 178
Nilsson, H.-E., see Bertilsson, K. 466 (2001) 183
Nissilä, J., M. Karppinen, K. Rytsölä, J. Oila, K. Saarinen and P. Hautojärvi, The stabilization of a positron lifetime spectrometer with a high-accuracy time reference 466 (2001) 527
Noah, E., see French, M.J. 466 (2001) 359
Nomokonov, P.V., see Avdeichikov, V. 466 (2001) 427
Nordby, M., see Allport, P. 466 (2001) 376
Nossarzewska, E., see Lindström, G. 466 (2001) 308

Oelert, W., see Moskal, P. 466 (2001) 448
Ohmoto, T., see Iwata, Y. 466 (2001) 390
Ohsugi, T., see Akimoto, T. 466 (2001) 354
Ohsugi, T., see Allport, P. 466 (2001) 376
Ohsugi, T., see Iwata, Y. 466 (2001) 390
Oila, J., see Nissilä, J. 466 (2001) 527
Okaevich, L.S., see Ayzenshtat, G.I. 466 (2001) 25
Oliva, P., see Amendolia, S.R. 466 (2001) 74
Oliva, P., see Amendolia, S.R. 466 (2001) 95
O'Neill, P.M., see Badhwar, G.D. 466 (2001) 464
O'Shea, V., see Mathieson, K. 466 (2001) 194
O'Shea, V., see Passmore, M.S. 466 (2001) 202
O'Shea, V., see Snoeys, W. 466 (2001) 366
O'Shea, V., see Lindström, G. 466 (2001) 308
Ottaviani, G., see Lindström, G. 466 (2001) 308
Owens, A., M. Bavdaz, A. Peacock, A. Poelaert, H. Andersson, S. Nenonen, L. Tröger and G. Bertuccio, Hard X-ray spectroscopy using small format GaAs arrays 466 (2001) 168

Paccagnella, A., see Albergo, S. 466 (2001) 300
Palenskis, V., see Vaitkus, J. 466 (2001) 39
Paliaga, G., see Allport, P. 466 (2001) 376
Palla, F., see Albergo, S. 466 (2001) 300
Palmiero, R., see Amendolia, S.R. 466 (2001) 74
Pandoulas, D., see Albergo, S. 466 (2001) 300
Papi, A., see Albergo, S. 466 (2001) 300
Parrini, G., see Albergo, S. 466 (2001) 300
Parrini, G., see Lindström, G. 466 (2001) 308
Passeri, D., see Albergo, S. 466 (2001) 300
Passeri, D., see Lindström, G. 466 (2001) 308
Passmore, M.S., see Mathieson, K. 466 (2001) 194

Passmore, M.S., R. Bates, K. Mathieson, V. O'Shea, M. Rahman, P. Seller and K.M. Smith, Characterisation of a single photon counting pixel detector . . . 466 (2001) 202
Passmore, S.M., see Seller, P. . . . 466 (2001) 174
Paul, A., see Röttger, S. . . . 466 (2001) 475
Peacock, A., see Owens, A. . . . 466 (2001) 168
Pernicka, M., see Albergo, S. . . . 466 (2001) 300
Petersson, C.S., see Dubaric, E. . . . 466 (2001) 178
Petersson, C.S., see Bertilsson, K. . . . 466 (2001) 183
Petersson, C.S., see Abdalla, M.A. . . . 466 (2001) 232
Petre, D., see Lindström, G. . . . 466 (2001) 308
Phillips, P., see Bernabeu, J. . . . 466 (2001) 397
Pickford, A., see Lindström, G. . . . 466 (2001) 308
Pieri, M., see Albergo, S. . . . 466 (2001) 300
Pintilie, I., see Lindström, G. . . . 466 (2001) 308
Pintilie, L., see Lindström, G. . . . 466 (2001) 308
Piperov, S., see Albergo, S. . . . 466 (2001) 300
Pla-Dalmau, A., A.D. Bross and K.L. Mellott, Low-cost extruded plastic scintillator . . . 466 (2001) 482
Poelaert, A., see Owens, A. . . . 466 (2001) 168
Polyakov, A.Y., see Markov, A.V. . . . 466 (2001) 14
Polyakov, A.Y., see Gavrin, V.N. . . . 466 (2001) 119
Ponslet, E., see Allport, P. . . . 466 (2001) 376
Pope, G., see Iwata, Y. . . . 466 (2001) 390
Porokhovnichenko, L.P., see Ayzenshtat, G.I. . . . 466 (2001) 25
Porokhovnichenko, L.P., see Budnitsky, D.L. . . . 466 (2001) 33
Porokhovnichenko, L.P., see Ayzenshtat, G.I. . . . 466 (2001) 162
Pospisil, S., see Lindström, G. . . . 466 (2001) 308
Potapov, A.I., see Ayzenshtat, G.I. . . . 466 (2001) 25
Potapov, A.I., see Budnitsky, D.L. . . . 466 (2001) 33
Potapov, A.I., see Ayzenshtat, G.I. . . . 466 (2001) 162
Potenza, R., see Albergo, S. . . . 466 (2001) 300
Potenza, R., see Lindström, G. . . . 466 (2001) 308
Pozela, J., see Pozela, K. . . . 466 (2001) 58
Pozela, K., J. Pozela, L. Dapkus, V. Jasutis, A. Silenas, K.M. Smith and R.A. Bendorius, Optical response of the graded-gap $Al_xGa_{1-x}As$ X-ray detector . . . 466 (2001) 58
Pröbst, F., see Sisti, M. . . . 466 (2001) 499
Prydderch, M.L., see Seller, P. . . . 466 (2001) 174

Quattrocchi, M., see Russo, P. . . . 466 (2001) 105
Quentmeier, C., see Moskal, P. . . . 466 (2001) 448
Quiquempoix, V., see Snoeys, W. . . . 466 (2001) 366
Quirin, P., see Mueller, W.F. . . . 466 (2001) 492

Radicci, V., see Albergo, S. . . . 466 (2001) 300
Raffaelli, F., see Albergo, S. . . . 466 (2001) 300
Rafi, J.M., see Lindström, G. . . . 466 (2001) 308
Rahman, M., see Mathieson, K. . . . 466 (2001) 194
Rahman, M., see Passmore, M.S. . . . 466 (2001) 202
Raine, C., see Lindström, G. . . . 466 (2001) 308
Rath, S., see El-Abbassi, H. . . . 466 (2001) 47
Ratoff, P.N., see Lindström, G. . . . 466 (2001) 308
Raymond, M., see Albergo, S. . . . 466 (2001) 300
Raymond, M., see French, M.J. . . . 466 (2001) 359
Richter, R.H., see Lindström, G. . . . 466 (2001) 308
Riedler, P., see Lindström, G. . . . 466 (2001) 308
Rizzo, F., see Albergo, S. . . . 466 (2001) 300
Robinson, D., see Casse, G. . . . 466 (2001) 335

Roe, S., see Lindström, G. 466 (2001) 308
Rönnqvist, C., see del Risco Norrlid, L. 466 (2001) 209
Rosso, V., see Amendolia, S.R. 466 (2001) 74
Rosso, V., see Amendolia, S.R. 466 (2001) 95
Röttger, S., A. Paul, A. Honig and U. Keyser, On-line low- and medium-level measurements of the radon activity concentration 466 (2001) 475
Rowe, W., see Allport, P. 466 (2001) 376
Roy, P., see Lindström, G. 466 (2001) 308
Runge, K., see Lindner, M. 466 (2001) 63
Runge, K., see Schwarz, C. 466 (2001) 87
Rusani, A., see Caria, M. 466 (2001) 115
Russo, P. and G. Mettivier, Characterization of 600-μm-thick SI-GaAs detectors for medical imaging 466 (2001) 79
Russo, P., M. Quattrocchi and E. Bertolucci, Response of semi-insulating GaAs detectors to near-infrared picosecond light pulses 466 (2001) 105
Russo, P., L. Campajola, C. Carpentieri and E. Bertolucci, Response of semi-insulating GaAs detectors to low energy protons 466 (2001) 155
Ruzin, A., see Lindström, G. 466 (2001) 308
Ryazanov, A.I., see Lindström, G. 466 (2001) 308
Rytsölä, K., see Nissilä, J. 466 (2001) 527

Saarinen, K., see Nissilä, J. 466 (2001) 527
Sadrozinski, H.F.-W., GLAST, a Gamma-Ray Large Area Space Telescope 466 (2001) 292
Sadrozinski, H.F.-W., see Allport, P. 466 (2001) 376
Sánchez, J., see Bernabeu, J. 466 (2001) 397
San Segundo Bello, D., B. Nauta and J. Visschers, Design of analog-to-digital converters for energy-sensitive hybrid pixel detectors 466 (2001) 218
San Segundo Bello, D., see Snoeys, W. 466 (2001) 366
Santo, R., see Moskal, P. 466 (2001) 448
Santocchia, A., see Albergo, S. 466 (2001) 300
Santocchia, A., see Lindström, G. 466 (2001) 308
Sato, K., see Iwata, Y. 466 (2001) 390
Schepers, G., see Moskal, P. 466 (2001) 448
Schiavulli, L., see Lindström, G. 466 (2001) 308
Schwarz, C., see Lindner, M. 466 (2001) 63
Schwarz, C., M. Campbell, R. Goeppert, J. Ludwig, B. Mikulec, K. Runge, K.M. Smith and W. Snoeys, Measurements with Si and GaAs pixel detectors bonded to photon counting readout chips 466 (2001) 87
Sealy, B., see Galbiati, A. 466 (2001) 52
Sefzick, T., see Moskal, P. 466 (2001) 448
Segneri, G., see Albergo, S. 466 (2001) 300
Seidel, W., see Sisti, M. 466 (2001) 499
Seller, P., G. Derbyshire, G. Hall, G.M. Iles, A. Jorden, P. Murray, M.L. Prydderch, S.M. Passmore, K. Smith and S.L. Thomas, Photon counting silicon X-ray pixel detector modules 466 (2001) 174
Seller, P., see Passmore, M.S. 466 (2001) 202
Sellin, P.J., see El-Abbassi, H. 466 (2001) 47
Sellin, P.J., see Galbiati, A. 466 (2001) 52
Sellin, P.J., see Boardman, D.A. 466 (2001) 226
Selvaggi, G., see Albergo, S. 466 (2001) 300
Servoli, L., see Albergo, S. 466 (2001) 300
Sesselego, A., see Caria, M. 466 (2001) 115
Sewerin, S., see Moskal, P. 466 (2001) 448
Sguazzoni, G., see Albergo, S. 466 (2001) 300
Shepard, P., see Iwata, Y. 466 (2001) 390
Shimojima, M., see Akimoto, T. 466 (2001) 354
Shinma, S., see Akimoto, T. 466 (2001) 354
Shu, C.-H., see Gau, T.-S. 466 (2001) 569
Sicho, P., see Lindström, G. 466 (2001) 308

Sidoti, A., P. Azzi, G. Busetto, A. Castro, S. Dusini, I. Lazzizzera and J.L. Wyss, Investigation of $t\bar{t}$ in the full hadronic final state at CDF with a neural network approach 466 (2001) 538
Siedling, R., see Albergo, S. 466 (2001) 300
Siemaszko, M., see Moskal, P. 466 (2001) 448
Silenas, A., see Pozela, K. 466 (2001) 58
Silvestris, L., see Albergo, S. 466 (2001) 300
Šimečková, E., see Bém, P. 466 (2001) 509
Siotis, I., see Lindström, G. 466 (2001) 308
Sisti, M., O. Meier, M. Bühler, S. Cooper, V. Jörgens, M. Loidl, U. Nagel, F. Pröbst, W. Seidel, A. Stolovits, L. Stodolsky, S. Uchaikin and L. Zerle, Massive cryogenic particle detectors with low energy threshold 466 (2001) 499
Sloan, T., see Lindström, G. 466 (2001) 308
Sloan, T., see Campbell, D. 466 (2001) 456
Slysz, W., see Lindström, G. 466 (2001) 308
Smee, S.A., P.C. Brand, D.D. Barry, C.L. Broholm and D.K. Anand, An elastic, low-background vertical focusing element for a doubly focusing neutron monochromator 466 (2001) 513
Smirnov, N.B., see Markov, A.V. 466 (2001) 14
Smith, K., see Seller, P. 466 (2001) 174
Smith, K., see Lindström, G. 466 (2001) 308
Smith, K.M., see Ayzenshtat, G.I. 466 (2001) 25
Smith, K.M., see Pozela, K. 466 (2001) 58
Smith, K.M., see Schwarz, C. 466 (2001) 87
Smith, K.M., see Mathieson, K. 466 (2001) 194
Smith, K.M., see Passmore, M.S. 466 (2001) 202
Smith, N.A., see Casse, G. 466 (2001) 335
Smyrski, J., see Moskal, P. 466 (2001) 448
Snoeys, W., see Schwarz, C. 466 (2001) 87
Snoeys, W., M. Burns, M. Campbell, E. Cantatore, V. Cencelli, R. Dinapoli, E. Heijne, P. Jarron, P. Lamanna, D. Minervini, M. Morel, V. O'Shea, V. Quiquempoix, D. San Segundo Bello, B. Van Koningsveld and K. Wyllie, Pixel readout chips in deep submicron CMOS for ALICE and LHCb tolerant to 10 Mrad and beyond 466 (2001) 366
Solanky, M., see Lindström, G. 466 (2001) 308
Söldner-Rembold, A., see Lindner, M. 466 (2001) 63
Sopko, B., see Lindström, G. 466 (2001) 308
Spalding, J., see Iwata, Y. 466 (2001) 390
Spencer, E., see Allport, P. 466 (2001) 376
Starodumov, A., see Albergo, S. 466 (2001) 300
Stavitski, I., see Albergo, S. 466 (2001) 300
Stefanini, A., see Amendolia, S.R. 466 (2001) 74
Stefanini, A., see Amendolia, S.R. 466 (2001) 95
Stodolsky, L., see Sisti, M. 466 (2001) 499
Stolovits, A., see Sisti, M. 466 (2001) 499
Stolze, K., see Lindström, G. 466 (2001) 308
Storasta, J., see Vaitkus, J. 466 (2001) 39
Stromberg, S., see Allport, P. 466 (2001) 376
Strzałkowski, A., see Moskal, P. 466 (2001) 448
Stumbo, S., see Amendolia, S.R. 466 (2001) 74
Stumbo, S., see Amendolia, S.R. 466 (2001) 95
Sūdžius, M., see Vaitkus, J. 466 (2001) 39
Surrow, B., see Albergo, S. 466 (2001) 300
Svensson, B., see Lindström, G. 466 (2001) 308
Swensen, E., see Allport, P. 466 (2001) 376

Takashima, R., see Akimoto, T. 466 (2001) 354
Takashima, R., see Iwata, Y. 466 (2001) 390
Takayuki, M., see Allport, P. 466 (2001) 376
Tempesta, P., see Albergo, S. 466 (2001) 300
Terada, S., see Akimoto, T. 466 (2001) 354
Terada, S., see Iwata, Y. 466 (2001) 390

Thomas, S.L., see Seller, P. 466 (2001) 174
Thungström, G., see Bertilsson, K. 466 (2001) 183
Tivarus, C., see Lindström, G. 466 (2001) 308
Tkaczyk, S., see Iwata, Y. 466 (2001) 390
Tolbanov, O.P., see Ayzenshtat, G.I. 466 (2001) 1
Tolbanov, O.P., see Ayzenshtat, G.I. 466 (2001) 25
Tolbanov, O.P., see Budnitsky, D.L. 466 (2001) 33
Tolbanov, O.P., see Ayzenshtat, G.I. 466 (2001) 162
Tomašiūnas, R., see Vaitkus, J. 466 (2001) 39
Tonelli, G., see Albergo, S. 466 (2001) 300
Tonelli, G., see Lindström, G. 466 (2001) 308
Tournear, D., see Allport, P. 466 (2001) 376
Tricomi, A., see Albergo, S. 466 (2001) 300
Tricomi, A., see Lindström, G. 466 (2001) 308
Tröger, L., see Owens, A. 466 (2001) 168
Truman, A., see Lowe, D. 466 (2001) 551
Tuominiemi, J., see Albergo, S. 466 (2001) 300
Turala, M., The ATLAS semiconductor tracker 466 (2001) 243
Turchetta, R., see French, M.J. 466 (2001) 359
Turner, P.R., see Casse, G. 466 (2001) 335
Tuuva, T., see Albergo, S. 466 (2001) 300
Tyazhev, A.V., see Ayzenshtat, G.I. 466 (2001) 25
Tzamarias, S., see Lindström, G. 466 (2001) 308

Uchaikin, S., see Sisti, M. 466 (2001) 499
Ujiie, N., see Akimoto, T. 466 (2001) 354
Unno, Y., see Akimoto, T. 466 (2001) 354
Unno, Y., see Iwata, Y. 466 (2001) 390
Unno, Y., see Iwata, Y. 466 (2001) 390

Valvo, G., see Lindström, G. 466 (2001) 308
Van Koningsveld, B., see Snoeys, W. 466 (2001) 366
van Veldhuizen, E.J., see Avdeichikov, V. 466 (2001) 427
Vasilescu, A., see Lindström, G. 466 (2001) 308
Vayaki, A., see Lindström, G. 466 (2001) 308
Verbitskaya, E., see Lindström, G. 466 (2001) 308
Verbitskaya, E.M., see Markov, A.V. 466 (2001) 14
Verbitskaya, E.M., see Gavrin, V.N. 466 (2001) 119
Verdini, P., see Lindström, G. 466 (2001) 308
Verdini, P.G., see Albergo, S. 466 (2001) 300
Veretenkin, E.P., see Gavrin, V.N. 466 (2001) 119
Veretenkin, Y.P., see Markov, A.V. 466 (2001) 14
Viertel, G., see Albergo, S. 466 (2001) 300
Vilisova, M.D., see Ayzenshtat, G.I. 466 (2001) 25
Vincour, V., see Bém, P. 466 (2001) 509
Visschers, J., see San Segundo Bello, D. 466 (2001) 218
Visschers, J.L., see Fornaini, A. 466 (2001) 142
Vorobiev, A.P., see Ayzenshtat, G.I. 466 (2001) 1
Vorobiev, A.P., see Ayzenshtat, G.I. 466 (2001) 25
Vorobiev, A.P., see Budnitsky, D.L. 466 (2001) 33
Vorobiev, A.P., see Ayzenshtat, G.I. 466 (2001) 162
Vos, M., see Bernabeu, J. 466 (2001) 397
Vrba, V., see Lindström, G. 466 (2001) 308

Walczak, R., see Matsushita, T. 466 (2001) 383
Watts, S., see Albergo, S. 466 (2001) 300
Watts, S., see Lindström, G. 466 (2001) 308

Weber, E.R., see Lindström, G. 466 (2001) 308
Webster, A., see Allport, P. 466 (2001) 376
Wegrzecka, I., see Lindström, G. 466 (2001) 308
Wegrzecki, M., see Lindström, G. 466 (2001) 308
Weilhammer, P., see Lindström, G. 466 (2001) 308
Wermes, N., see Lindner, M. 466 (2001) 63
Wheadon, R., see Lindström, G. 466 (2001) 308
Wilburn, C., see Lindström, G. 466 (2001) 308
Wilhelm, I., see Lindström, G. 466 (2001) 308
Winkler, G., see Allport, P. 466 (2001) 376
Wittmer, B., see Albergo, S. 466 (2001) 300
Wolke, M., see Moskal, P. 466 (2001) 448
Wunstorf, R., see Lindström, G. 466 (2001) 308
Wunstorf, R., Radiation tolerant sensors for the ATLAS pixel detector 466 (2001) 327
Wüstenfeld, J., see Lindström, G. 466 (2001) 308
Wüstner, P., see Moskal, P. 466 (2001) 448
Wyllie, K., see Snoeys, W. 466 (2001) 366
Wyss, J., see Lindström, G. 466 (2001) 308
Wyss, J.L., see Sidoti, A. 466 (2001) 538

Xie, Z., see Albergo, S. 466 (2001) 300

Yahong, L., see Albergo, S. 466 (2001) 300
Yamamoto, H., see Iwata, Y. 466 (2001) 390
Yamamoto, K., see Allport, P. 466 (2001) 376
Yamamoto, K., see Akimoto, T. 466 (2001) 354
Yamamura, K., see Akimoto, T. 466 (2001) 354
Yamamura, K., see Allport, P. 466 (2001) 376
Yang, Y.H., see McGregor, D.S. 466 (2001) 126
Yoshida, S., see Allport, P. 466 (2001) 376

Zabierowski, P., see Lindström, G. 466 (2001) 308
Zankel, K., see Lindström, G. 466 (2001) 308
Zerle, L., see Sisti, M. 466 (2001) 499
Zipper, W., see Moskal, P. 466 (2001) 448
Žontar, D., see Lindström, G. 466 (2001) 308
Žontar, D., see Mikuž, M. 466 (2001) 345
Zsenei, A., see Bernabeu, J. 466 (2001) 397
Zucca, S., see Amendolia, S.R. 466 (2001) 74

ELSEVIER

Nuclear Instruments and Methods in Physics Research A 466 (2001) 591–596

NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH Section A

www.elsevier.com/locate/nima

Subject Index

Accelerators, Beam Handling and Targets

On-beam calibration of the ΔE(Si)–Sci/PD charged particle telescope, V. Avdeichikov, B. Jakobsson, V.A. Nikitin, P.V. Nomokonov and E.J. van Veldhuizen 466 (2001) 427

Nonlinearities in the response of beam position monitors for the LEP spectrometer, J. Matheson 466 (2001) 436

Monitoring of the accelerator beam distributions for internal target facilities, P. Moskal, H.-H. Adam, A. Budzanowski, D. Grzonka, L. Jarczyk, A. Khoukaz, K. Kilian, P. Kowina, N. Lang, T. Lister, W. Oelert, C. Quentmeier, R. Santo, G. Schepers, T. Sefzick, S. Sewerin, M. Siemaszko, J. Smyrski, A. Strzałkowski, M. Wolke, P. Wüstner and W. Zipper 466 (2001) 448

High Energy Physics Detectors

Proceedings of the 2nd International Workshop on Radiation Imaging Detectors, Freiburg i. Br., Germany, July 2–6, 2000

Section I. Properties and Characterisation

Modeling of processes of charge division and collection in GaAs detectors taking into account trapping effects, G.I. Ayzenshtat, O.P. Tolbanov and A.P. Vorobiev 466 (2001) 1

Polycrystalline GaAs for large area imaging detectors, J.C. Bourgoin 466 (2001) 9

Semi-insulating LEC GaAs as a material for radiation detectors: materials science issues, A.V. Markov, M.V. Mezhennyi, A.Y. Polyakov, N.B. Smirnov, A.V. Govorkov, V.K. Eremin, E.M. Verbitskaya, V.N. Gavrin, Y.P. Kozlova, Y.P. Veretenkin and T.J. Bowles 466 (2001) 14

GaAs structures for X-ray imaging detectors, G.I. Ayzenshtat, N.N. Bakin, D.L. Budnitsky, E.P. Drugova, V.P. Germogenov, S.S. Khludkov, O.B. Koretskaya, L.S. Okaevich, L.P. Porokhovnichenko, A.I. Potapov, K.M. Smith, O.P. Tolbanov, A.V. Tyazhev, M.D. Vilisova and A.P. Vorobiev 466 (2001) 25

Epitaxial structures based on compensated GaAs for γ- and X-ray detectors, D.L. Budnitsky, V.P. Germogenov, S.M. Guschin, A.A. Larionov, L.P. Porokhovnichenko, A.I. Potapov, O.P. Tolbanov and A.P. Vorobiev . 466 (2001) 33

GaAs peculiarities related with inhomogeneities and the methods for reveal of their properties, J. Vaitkus, R. Baubinas, E. Gaubas, K. Jarašiūnas, R. Jašinskaite, V. Kažukauskas, E. Kuprusevičius, J. Matukas, V. Palenskis, J. Storasta, M. Sūdžius and R. Tomašiūnas 466 (2001) 39

Characterisation of vertical gradient freeze semi-insulating InP for use as a nuclear radiation detector, H. El-Abbassi, S. Rath and P.J. Sellin 466 (2001) 47

Characterisation of a coplanar CVD diamond radiation detector, A. Galbiati, M.B.H. Breese, A.P. Knights, B. Sealy and P.J. Sellin 466 (2001) 52

PII: S0168-9002(01)01328-6

Optical response of the graded-gap $Al_xGa_{1-x}As$ X-ray detector, K. Pozela, J. Pozela, L. Dapkus, V. Jasutis, A. Silenas, K.M. Smith and R.A. Bendorius 466 (2001) 58

Section II. Detectors for Medical Imaging

Comparison of hybrid pixel detectors with Si and GaAs sensors, M. Lindner, P. Fischer, S. Florin, R. Göppert, J. Hausmann, J. Ludwig, K. Runge, C. Schwarz, A. Söldner-Rembold and N. Wermes 466 (2001) 63

Spectroscopic and imaging capabilities of a pixellated photon counting system, S.R. Amendolia, M.G. Bisogni, U. Bottigli, P. Delogu, G. Dipasquale, M.E. Fantacci, A. Marchi, V.M. Marzulli, P. Oliva, R. Palmiero, V. Rosso, A. Stefanini, S. Stumbo and S. Zucca 466 (2001) 74

Characterization of 600-μm-thick SI-GaAs detectors for medical imaging, P. Russo and G. Mettivier 466 (2001) 79

Measurements with Si and GaAs pixel detectors bonded to photon counting readout chips, C. Schwarz, M. Campbell, R. Goeppert, J. Ludwig, B. Mikulec, K. Runge, K.M. Smith and W. Snoeys 466 (2001) 87

Comparison of imaging properties of several digital radiographic systems, S.R. Amendolia, U. Bottigli, A. Ceccopieri, P. Delogu, G. Dipasquale, M.E. Fantacci, A. Marchi, V.M. Marzulli, P. Oliva, V. Rosso, A. Stefanini and S. Stumbo 466 (2001) 95

Perspectives of medical X-ray imaging, J. Freudenberger, E. Hell and W. Knüpfer 466 (2001) 99

Section III. Detectors for Other Applications

Response of semi-insulating GaAs detectors to near-infrared picosecond light pulses, P. Russo, M. Quattrocchi and E. Bertolucci 466 (2001) 105

Far UV responsivity of commercial silicon photodetectors, M. Caria, L. Barberini, S. Cadeddu, A. Giannattasio, A. Lai, A. Rusani and A. Sesselego 466 (2001) 115

Bulk GaAs as a solar neutrino detector, V.N. Gavrin, Y.P. Kozlova, E.P. Veretenkin, T.J. Bowles, V.K. Eremin, E.M. Verbitskaya, A.V. Markov, A.Y. Polyakov, O.G. Koshelev and V.F. Morozova 466 (2001) 119

Thin-film-coated bulk GaAs detectors for thermal and fast neutron measurements, D.S. McGregor, R.T. Klann, H.K. Gersch and Y.H. Yang 466 (2001) 126

Soft X-ray sensitivity of a photon-counting hybrid pixel detector with a silicon sensor matrix, A. Fornaini, D. Calvet and J.L. Visschers 466 (2001) 142

Prospects for hybrid pixel detectors in electron microscopy, A.R. Faruqi 466 (2001) 146

Response of semi-insulating GaAs detectors to low energy protons, P. Russo, L. Campajola, C. Carpentieri and E. Bertolucci 466 (2001) 155

GaAs X-ray coordinate detectors, G.I. Ayzenshtat, V.G. Kanaev, A.V. Khan, A.I. Potapov, L.P. Porokhovnichenko, O.P. Tolbanov and A.P. Vorobiev 466 (2001) 162

Hard X-ray spectroscopy using small format GaAs arrays, A. Owens, M. Bavdaz, A. Peacock, A. Poelaert, H. Andersson, S. Nenonen, L. Tröger and G. Bertuccio 466 (2001) 168

Photon counting silicon X-ray pixel detector modules, P. Seller, G. Derbyshire, G. Hall, G.M. Iles, A. Jorden, P. Murray, M.L. Prydderch, S.M. Passmore, K. Smith and S.L. Thomas 466 (2001) 174

Section IV. Simulation of Detector Properties

Resolution and noise properties of scintillator coated X-ray detectors, E. Dubaric, C. Fröjdh, H.-E. Nilsson and C.S. Petersson 466 (2001) 178

Simulation of a low atmospheric-noise modified four-quadrant position sensitive detector, K. Bertilsson, E. Dubaric, G. Thungström, H.-E. Nilsson and C.S. Petersson 466 (2001) 183

Simulated and experimental spectroscopic performance of GaAs X-ray pixel detectors, M.G. Bisogni, A. Cola and M.E. Fantacci 466 (2001) 188

Simulation of GaAs 3-D pixel detectors, K. Mathieson, R. Bates, A. Meikle, V. O'Shea, M.S. Passmore, M. Rahman and K.M. Smith 466 (2001) 194

Characterisation of a single photon counting pixel detector, M.S. Passmore, R. Bates, K. Mathieson, V. O'Shea, M. Rahman, P. Seller and K.M. Smith 466 (2001) 202

Calculation of the modulation transfer function for the X-ray imaging detector DIXI using Monte Carlo simulation data, L. del Risco Norrlid, C. Rönnqvist, K. Fransson, R. Brenner, L. Gustafsson, F. Edling and S. Kullander 466 (2001) 209

Section V. Read-out electronics

Design of analog-to-digital converters for energy-sensitive hybrid pixel detectors, D. San Segundo Bello, B. Nauta and J. Visschers 466 (2001) 218

Design and characterisation of high electron mobility transistors for use in a monolithic GaAs X-ray imaging sensor, D.A. Boardman and P.J. Sellin 466 (2001) 226

An integrating CMOS APS for X-ray imaging with an in-pixel preamplifier, M.A. Abdalla, C. Fröjdh and C.S. Petersson 466 (2001) 232

Proceedings of the 4th International Symposium on Development and Application of Semiconductor Tracking Detectors (4th Hiroshima STD Symposium), Hiroshima, Japan, March 22–25, 2000

Section I. Collider Application

The ATLAS semiconductor tracker, M. Turala 466 (2001) 243

The CMS tracker and expected performances, G. Bagliesi 466 (2001) 255

Status of the DØ Silicon Microstrip Tracker, A. Bean 466 (2001) 262

The BELLE silicon vertex detector, H. Aiharaaihara@phys.s.u-tokyo.ac.jp 466 (2001) 268

The ATLAS Pixel Detector electronics, G. Gagliardi 466 (2001) 275

Section II. Space Application

The AMS silicon tracker, Y.-H. Chang 466 (2001) 282

GLAST, a Gamma-Ray Large Area Space Telescope, H.F.-W. Sadrozinskihartmnt@scipp.ucsc.edu 466 (2001) 292

Section III. Design of Microstrip Sensors

Optimization of the silicon sensors for the CMS tracker, S. Albergo, M. Angarano, P. Azzi, E. Babucci, N. Bacchetta, A. Bader, G. Bagliesi, A. Basti, U. Biggeri, C. Biino, G.M. Bilei, D. Bisello, D. Boemi, F. Bosi, L. Borello, S. Braibant, H. Breuker, M.T. Brunetti, M. Bruzzi, A. Buffini, S. Busoni, A. Candelori, A. Caner, R. Castaldi, A. Castro, E. Catacchini, B. Checcucci, P. Ciampolini, C. Civinini, M. Costa, D. Creanza, R. D'Alessandro, N. DeMaria, M. de Palma, R. Dell'Orso, S. Dutta, G. Favro, L. Fiore, E. Focardi, M. French, K. Freudenreich, A. Frey, M. Friedl, A. Fürtjes, A. Giassi, M. Giorgi, A. Giraldo, W. Glessing, W.H. Gu, G.

Hall, R. Hammarstrom, T. Hebbeker, A. Honkanen, A. Honma, J. Hrubec, M. Huhtinen, A. Kaminsky, V. Karimaki, St. Koenig, M. Krammer, P. Lariccia, M. Lenzi, M. Loreti, K. Luebelsmeyer, W. Lustermann, P. Mättig, G. Maggi, M. Mannelli, G. Mantovani, A. Marchioro, C. Mariotti, G. Martignon, B. Mc Evoy, M. Meschini, A. Messineo, E. Migliore, S. My, A. Neviani, A. Paccagnella, F. Palla, D. Pandoulas, A. Papi, G. Parrini, D. Passeri, M. Pernicka, M. Pieri, S. Piperov, R. Potenza, V. Radicci, F. Raffaelli, M. Raymond, F. Rizzo, A. Santocchia, G. Segneri, G. Selvaggi, L. Servoli, G. Sguazzoni, R. Siedling, L. Silvestris, A. Starodumov, I. Stavitski, B. Surrow, P. Tempesta, G. Tonelli, A. Tricomi, J. Tuominiemi, T. Tuuva, P.G. Verdini, G. Viertel, Z. Xie, L. Yahong, S. Watts and B. Wittmer 466 (2001) 300

Section IV. Radiation Damage Studies

Radiation hard silicon detectors—developments by the RD48 (ROSE) collaboration, G. Lindström, M. Ahmed, S. Albergo, P. Allport, D. Anderson, L. Andricek, M.M. Angarano, V. Augelli, N. Bacchetta, P. Bartalini, R. Bates, U. Biggeri, G.M. Bilei, D. Bisello, D. Boemi, E. Borchi, T. Botila, T.J. Brodbeck, M. Bruzzi, T. Budzynski, P. Burger, F. Campabadal, G. Casse, E. Catacchini, A. Chilingarov, P. Ciampolini, V. Cindro, M.J. Costa, D. Creanza, P. Clauws, C. Da Via, G. Davies, W. De Boer, R. Dell'Orso, M. De Palma, B. Dezillie, V. Eremin, O. Evrard, G. Fallica, G. Fanourakis, H. Feick, E. Focardi, L. Fonseca, E. Fretwurst, J. Fuster, K. Gabathuler, M. Glaser, P. Grabiec, E. Grigoriev, G. Hall, M. Hanlon, F. Hauler, S. Heising, A. Holmes-Siedle, R. Horisberger, G. Hughes, M. Huhtinen, I. Ilyashenko, A. Ivanov, B.K. Jones, L. Jungermann, A. Kaminsky, Z. Kohout, G. Kramberger, M. Kuhnke, S. Kwan, F. Lemeilleur, C. Leroy, M. Letheren, Z. Li, T. Ligonzo, V. Linhart, P. Litovchenko, D. Loukas, M. Lozano, Z. Luczynski, G. Lutz, B. MacEvoy, S. Manolopoulos, A. Markou, C. Martinez, A. Messineo, M. Mikuž, M. Moll, E. Nossarzewska, G. Ottaviani, V. Oshea, G. Parrini, D. Passeri, D. Petre, A. Pickford, I. Pintilie, L. Pintilie, S. Pospisil, R. Potenza, C. Raine, J.M. Rafi, P.N. Ratoff, R.H. Richter, P. Riedler, S. Roe, P. Roy, A. Ruzin, A.I. Ryazanov, A. Santocchia, L. Schiavulli, P. Sicho, I. Siotis, T. Sloan, W. Slysz, K. Smith, M. Solanky, B. Sopko, K. Stolze, B.S. Avset, B. Svensson, C. Tivarus, G. Tonelli, A. Tricomi, S. Tzamarias, G. Valvo, A. Vasilescu, A. Vayaki, E. Verbitskaya, P. Verdini, V. Vrba, S. Watts, E.R. Weber, M. Wegrzecki, I. Wegrzecka, P. Weilhammer, R. Wheadon, C. Wilburn, I. Wilhelm, R. Wunstorf, J. Wüstenfeld, J. Wyss, K. Zankel, P. Zabierowski and D. Žontar 466 (2001) 308

Radiation tolerant sensors for the ATLAS pixel detector, R. Wunstorf 466 (2001) 327

A comparative study of oxygenated and non-oxygenated Si pad diodes, miniature and large area microstrip detectors, G. Casse, P.P. Allport, P.S.L. Booth, A. Greenall, J.N. Jackson, T.J. Jones, N.A. Smith, P.R. Turner, J.R. Carter, D. Morgan, D. Robinson, G.A. Beck and A.A. Carter 466 (2001) 335

Bias dependence and bistability of radiation defects in silicon, M. Mikuž, V. Cindro, G. Kramberger and D. Žontar 466 (2001) 345

Characteristics of irradiated silicon microstrip detectors with $\langle 100 \rangle$ and $\langle 111 \rangle$ substrates, T. Akimoto, S. Arai, K. Hara, T. Nakayama, Y. Ikegami, Y. Iwata, H. Kobayasi, T. Kohriki, T. Kondo, I. Nakano, T. Ohsugi, M. Shimojima, S. Shinma, R. Takashima, S. Terada, N. Ujiie, Y. Unno, K. Yamamoto and K. Yamamura 466 (2001) 354

Section V. Electronics

Design and results from the APV25, a deep sub-micron CMOS front-end chip for the CMS tracker, M.J. French, L.L. Jones, Q. Morrissey, A. Neviani, R. Turchetta, J. Fulcher, G. Hall, E. Noah, M. Raymond, G. Cervelli, P. Moreira and G. Marseguerra 466 (2001) 359

Pixel readout chips in deep submicron CMOS for ALICE and LHCb tolerant to 10 Mrad and beyond, W. Snoeys, M. Burns, M. Campbell, E. Cantatore, V. Cencelli, R. Dinapoli, E. Heijne, P. Jarron, P. Lamanna, D. Minervini, M. Morel, V. O'Shea, V. Quiquempoix, D. San Segundo Bello, B. Van Koningsveld and K. Wyllie 466 (2001) 366

Section VI. Detector System Development

The assembly of the silicon tracker for the GLAST beam test engineering model, P. Allport, E. Atwood, W. Atwood, G. Beck, B. Bhatnager, E. Bloom, J. Broeder, V. Chen, J. Clark, N. Cotton, E. do Couto e Silva, B.

Feerick, G. Giebels, G. Godfrey, T. Handa, J.A. Hernando, M. Hirayama, R.P. Johnson, T. Kamae, S. Kashiguine, W. Kroeger, C. Milbury, W. Miller, O. Millican, M. Nikolaou, M. Nordby, T. Ohsugi, G. Paliaga, E. Ponslet, W. Rowe, H.F.-W. Sadrozinski, E. Spencer, S. Stromberg, E. Swensen, M. Takayuki, D. Tournear, A. Webster, G. Winkler, K. Yamamoto, K. Yamamura and S. Yoshida 466 (2001) 376

Optical alignment system for the ZEUS micro vertex detector, T. Matsushita, S. Boogert, R. Devenish and R. Walczak 466 (2001) 383

A flexible front-end electronics hybrid for silicon microstrip detectors, Y. Iwata, T. Ohsugi, T. Ohmoto, T. Handa, K. Sato, H. Yamamoto, R. Takashima, T. Kondo, Y. Unno, S. Terada, T. Kohriki, I. Nakano, M. Lindenmeyer, S. Tkaczyk, W. Erdmann, J. Spalding, G. Dychakowski, G. Bolla, G. Pope and P. Shepard 466 (2001) 390

Results of the 1999 H8 beam tests of ATLAS-SCT prototypes, J. Bernabeu, R. Challis, M.J. Costa, D. Ferrere, S. Gadomski, C. Haber, J. Hill, J. Kaplon, C. Lacasta, M. Lozano, D. Macina, C. Martinez, G. Moorhead, H. Niggli, P. Phillips, J. Sánchez, M. Vos and A. Zsenei 466 (2001) 397

Section VII. Non-silicon semiconductor

Silicon carbide: fundamentals, M. Iwami 466 (2001) 406

Section VIII. Concluding Remarks

Concluding remarks, T. Kondo 466 (2001) 412

Frequency-temperature scaling of the CV characteristics for irradiated Si detectors, D. Campbell, A. Chilingarov and T. Sloan 466 (2001) 456

Space Radiation and Neutrino Detectors

Response of silicon-based linear energy transfer spectrometers: implication for radiation risk assessment in space flights, G.D. Badhwar and P.M. O'Neill 466 (2001) 464

Nuclear Spectroscopy

On-line low- and medium-level measurements of the radon activity concentration, S. Röttger, A. Paul, A. Honig and U. Keyser 466 (2001) 475

Gamma, X-ray and Charged Particle Detectors

Low-cost extruded plastic scintillator, A. Pla-Dalmau, A.D. Bross and K.L. Mellott 466 (2001) 482

Thirty-two-fold segmented germanium detectors to identify γ-rays from intermediate-energy exotic beams, W.F. Mueller, J.A. Church, T. Glasmacher, D. Gutknecht, G. Hackman, P.G. Hansen, Z. Hu, K.L. Miller and P. Quirin 466 (2001) 492

Massive cryogenic particle detectors with low energy threshold, M. Sisti, O. Meier, M. Bühler, S. Cooper, V. Jörgens, M. Loidl, U. Nagel, F. Pröbst, W. Seidel, A. Stolovits, L. Stodolsky, S. Uchaikin and L. Zerle . . 466 (2001) 499

Neutron Physics

Fast neutrons from thick helium target irradiated by 17 MeV deuterons, P. Bém, V. Burjan, F. Cvachovec, M. Götz, M. Králík, V. Kroha, E. Lukášová, E. Šimečková and V. Vincour 466 (2001) 509

An elastic, low-background vertical focusing element for a doubly focusing neutron monochromator, S.A. Smee, P.C. Brand, D.D. Barry, C.L. Broholm and D.K. Anand 466 (2001) 513

Electronics

The stabilization of a positron lifetime spectrometer with a high-accuracy time reference, J. Nissilä, M. Karppinen, K. Rytsölä, J. Oila, K. Saarinen and P. Hautojärvi 466 (2001) 527

Numerical and Data Analysis

Investigation of $t\bar{t}$ in the full hadronic final state at CDF with a neural network approach, A. Sidoti, P. Azzi, G. Busetto, A. Castro, S. Dusini, I. Lazzizzera and J.L. Wyss 466 (2001) 538

Medical Applications and Dosimetry

Results of optical Monte Carlo simulations of a compact γ camera for the detection of sentinel lymph nodes, D. Lowe, A. Truman, H. Kwok and A. Bergman 466 (2001) 551

Synchrotron Radiation Research

Soft X-ray diffractometer for synchrotron radiation, T.-S. Gau, Y.-C. Jean, K.-Y. Liu, C.-H. Chung, C.-K. Chen, S.-C. Lai, C.-H. Shu, Y.-S. Huang, C.-H. Chao, Y.-R. Lee, C.T. Chen and S.-L. Chang 466 (2001) 569